

PARTS LIST:
PL001059X002
REVISION -

TEKTRON MICRO ELECTRONICS, INC. (410-850-4200 - HANOVER, MD)
FSCM 6W848

DRAWING:
001059X002

TITLE: ASSEMBLY, PC BOARD, SCORPION TRANSMITTER RF (900 MHz,10 mW)

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ITEM NO.	QTY REQ'D	UM	M B	TEKTRON PART NUMBER	REFERENCE DESIGNATIONS	FULL DESCRIPTION	NOTES
001	1	EA	B	PCFAB001059X001		FABRICATION, PC BOARD, SCORPION TRANSMITTER RF	
002	5	EA	B	C00104X4020Z16YT	C1,C5,C7,C8,C9	CAPACITOR, 0.1uF, +80/-20%, 40x20, SOLDER TINNED, Y5V, 16V	
002	0	EA	B				
003	4	EA	B	C00153X4020Z16YT	C2,C3,C14,C28	CAPACITOR, .015uF, +80/-20%, 40x20, SOLDER TINNED, Y5V, 16V	
005	1	EA	B	C002R5X4020B50NT	C16	CAPACITOR, 2.5pF, +/-1pF, 40x20, RF/HIGH-Q, NPO, 50V	
006	2	EA	B	C00680X4020J50NT	C4,C15	CAPACITOR, 68pF, +/-5%, 40x20, SOLDER TINNED, NPO, 50V	
007	1	EA	B	C000R5X4020C50NT	C10	CAPACITOR, .5pF, +/-25pF, 40x20, SOLDER TINNED, NPO, 50V	
008	1	EA	B	C002R4X4020B50NT	C11	CAPACITOR, 2.4pF, +/-1pF, 40x20, RF/HIGH-Q, NPO, 50V	
009	1	EA	B	C002R7X4020B50NT	C12	CAPACITOR, 2.7pF, +/-1pF, 40x20, RF/HIGH-Q, NPO, 50V	
010	1	EA	B	C00336DA260K04TT	C13	CAPACITOR, 33uF, +/-10%, 120x60, TANT, 4V, PRECISION MOLDED	
011	2	EA	B	C000R3X4020B50RT	C16A, C17	CAPACITOR, .3pF, +/-1pF, 40x20, RF/HIGH-Q, NPO, 50V	
012	2	EA	B	C001R8X4020B50RT	C20,C25	CAPACITOR, 1.8pF, +/-1pF, 40x20, RF/HIGH-Q, NPO, 50V	
013	2	EA	B	C002R2X4020B50RT	C22,C23	CAPACITOR, 2.2pF, +/-1pF, 40x20, RF/HIGH-Q, NPO, 50V	
013	1	EA	B	C00181X6030J50NT	C24	CAPACITOR, 180pF, +/-5%, 60x30, SOLDER TINNED, NPO, 50V	
014	1	EA	B	C001R5X4020BB0NT	C26	CAPACITOR, 1.5pF, +/-1pF, 40x20, RF/HIGH-Q, COG, 25V	
015	2	EA	B	A0101024XHSCD	D1,D2	DIODE, BBY52-02W, VARACTOR, 1.35pF/3V, SCD-80 PKG (INFINEON)	
017	2	EA	B	A0100454CJ	L1	INDUCTOR, 6.8nH, +/-10%, SMT, 60x30, 0603CS-6N8XKBC (COILCR)	
018	1	EA	B	A0100454AP	L2, L5	INDUCTOR, 82nH, CERAMIC SMT, 80x50, LL2012-F82NK (TOKO)	
019	1	EA	B	A0100454DR	L3	INDUCTOR, 15nH, +/-2%, SMT, 60x30, 0603CS-15NXGBU (COILCRFT)	
020	1	EA	B	A0100454xx	L3A	INDUCTOR, 33nH, +/-5%, SMT, 40x20, LL1005-FH33NJ (TOKO)	
021	1	EA	B	A0100454CW	L4	INDUCTOR, 18nH, +/-5%, SMT, 60x30, 0603CS-18NXJBB (COILCRFT)	
022	1	EA	B	A0100454XB	L6	INDUCTOR, 9.5nH, +/-2%, SMT, 60x30, 0603CS-9N5XGBC	
023	1	EA	B	A0101199XXS343	Q1	TRANSISTOR, NE34018, HJ-FET, L TO S BAND, SOT-343 PKG (NEC)	
024	1	EA	B	A0101263XXS343	Q2	E-PHEMT, ATF-55143, LOW CURRENT/NOISE, SOT-343 PKG (AGILENT)	
025	1	EA	B	R00331X4020J62DT	R1	RESISTOR, 330 ohm, +/-5%, 40x20, SOLDER TINNED, 62mW	
026	1	EA	B	R00103X4020J62DT	R2	RESISTOR, 10K, +/-5%, 40x20, SOLDER TINNED, 62mW	
027	2	EA	B	R00431X4020J62DT	R3, R5	RESISTOR, 430 ohm, +/-5%, 40x20, SOLDER TINNED, 62mW	
028	1	EA	B	R00121X4020J62DT	R4	RESISTOR, 120 ohm, +/-5%, 40x20, SOLDER TINNED, 62mW	

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029	1	EA	B	R00201X4020J62DT	R6	RESISTOR, 200 ohm, +/-5%, 40x20, SOLDER TINNED, 62mW	
030	1	EA	B	R00472X4020G62DT	R7	RESISTOR, 4.7K, +/-2%, 40x20, SOLDER TINNED, 62mW	

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032	1	EA	B	A0100943BE	R11	POTENTIOMETER, 1M, +/-25%, SMT, EVM-2WSX80B16 (PANASONIC)	
033	1	EA	B	A0100936BZ	S1	SWITCH, BINARY, 8 POS., VERTICAL ADJ., 7744J-1-008E (BOURNS)	
034	1	EA	B	A0101233XXTSOP	U1	I.C., LMX2316TM, SYNTHESIZER, 1.2 GHz, 16 PIN TSSOP (NATIONAL)	
035	1	EA	B	A0101268XXPSOI	U2	I.C., PIC12LC508A-04/SN, 8 BIT CMOS MICRO, 8 PIN SOIC (MICR)	PGM
036	1	EA	B	A0100951DQ		CONNECTOR, SSMC, STR. BULKHEAD, FRT. MNT RECEPT., #4-48 THD	
037	0	GM	X	A0100775XB		INK, MARKING, WHITE (MARKEM 7254)	
038	0	LB	X	A0100120A6WIRE		SOLDER, WIRE SN63	
039	1	EA	X	PCSCH001059X002		SCHEMATIC, PC BOARD, SCORPION TRANSMITTER RF (100mW)	
040	1	EA	X	ATP001059X005		ACCEPTANCE TEST PROCEDURE, SCORPION TRANSMITTER RF (10mW)	

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